

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 05/05/2017 10:59 AM
Cytometer Baseline: 04/21/2017 12:22 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 25720, **Expiration Date:** 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124782	-1	1.50	124637	1.48
Blue	F	SSC	125000	123956	-1	2.92	124281	2.73
Blue	E	FITC	23355	22743	-3	2.40	1014	10.20
Blue	D	PE	28848	28294	-2	1.90	1016	9.79
Blue	B	PerCP-Cy5-5	47791	47140	-2	3.29	1347	16.59
Blue	A	PE-Cy7	41358	41404	0	5.06	634	35.07
Red	C	APC	51316	50947	-1	2.78	2929	9.55
Red	A	APC-Cy7	53225	52441	-2	2.83	1081	11.20
Violet	B	V450	14473	13989	-4	5.85	671	10.10
Violet	A	V500	59973	57833	-4	5.66	2563	7.64

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19779	4.83	609	11	N/A	N/A	Pass
Blue	F	SSC	61789	1.45	540	6	N/A	N/A	Pass
Blue	E	FITC	114	37.49	544	0	0.0206	92	Pass
Blue	D	PE	222	28.07	539	1	0.1519	186	Pass
Blue	B	PerCP-Cy5-5	213	43.01	630	0	0.0105	61	Pass
Blue	A	PE-Cy7	69	117.49	682	1	0.0123	16	Pass
Red	C	APC	345	27.68	593	-1	0.0199	57	Pass
Red	A	APC-Cy7	118	41.74	573	-3	0.0057	1985	Pass
Violet	B	V450	82	42.14	471	0	0.0427	1719	Pass
Violet	A	V500	186	23.34	501	0	0.0149	534	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.65	-31.13	0.86
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	16.96	13.27 - 19.91	N/A	N/A	31.31	31.79	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 12214

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments